

Morgana AutoCreaser



DOCUMENT CREASING MACHINE

OPERATORS MANUAL

Morgana Systems Limited Snowdon Drive Winterhill
Milton Keynes Buckinghamshire MK6 1AP United Kingdom
Telephone: (01908) 608888 Facsimile: (01908) 692399

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Morgana

AutoCreaser

The Morgana Autocreaser is a fully automatic suction feeding creasing system designed for use with both conventional litho and digital printers.

The feed on the Autocreaser can also be manually operated for use with heavy stock, very small or very large sheets, embossed or even irregular sheets.

The Autocreaser is capable of creasing sheet sizes to a maximum of 630mm x 320mm and weights in excess of 300gsm.

The minimum sheet size when the machine is used in automatic mode is 140mm x 210mm (5½" x 8½").

Upto nine creases can be programmed to a single sheets

The crease is programmed from the leading edge of the sheet using the controls on the front panel.

A minimum distance between creases is 3mm and it is possible to make micro adjustments to 0.1mm.

The Autocreaser has upto nine available memory addresses for programmed creasing operations.

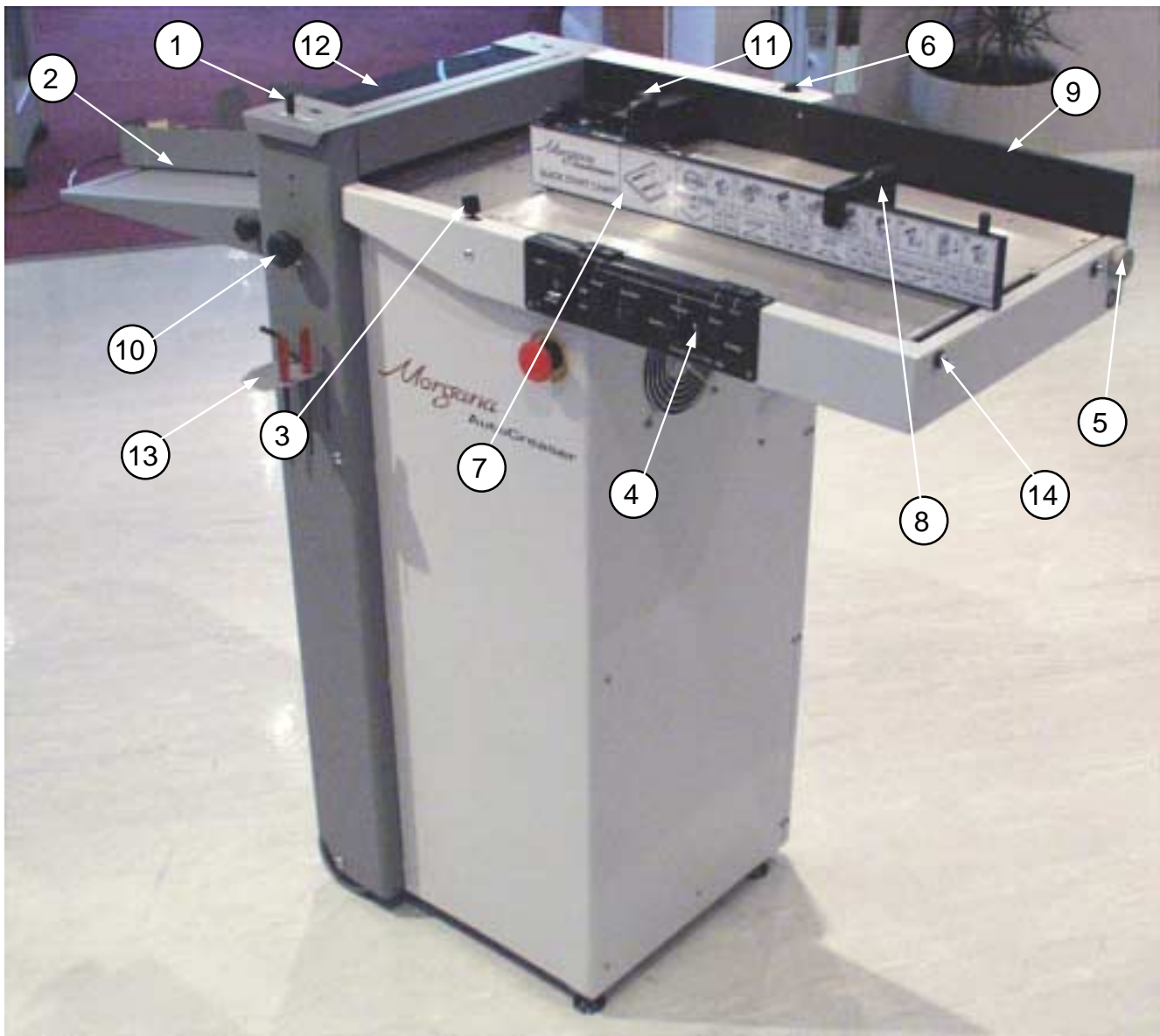
The blade and anvil are mechanically controlled over their entire length and can be adjusted to accommodate various weights of media.

Morgana
AutoCreaser

DOCUMENT CREASING MACHINE

Key to photograph below

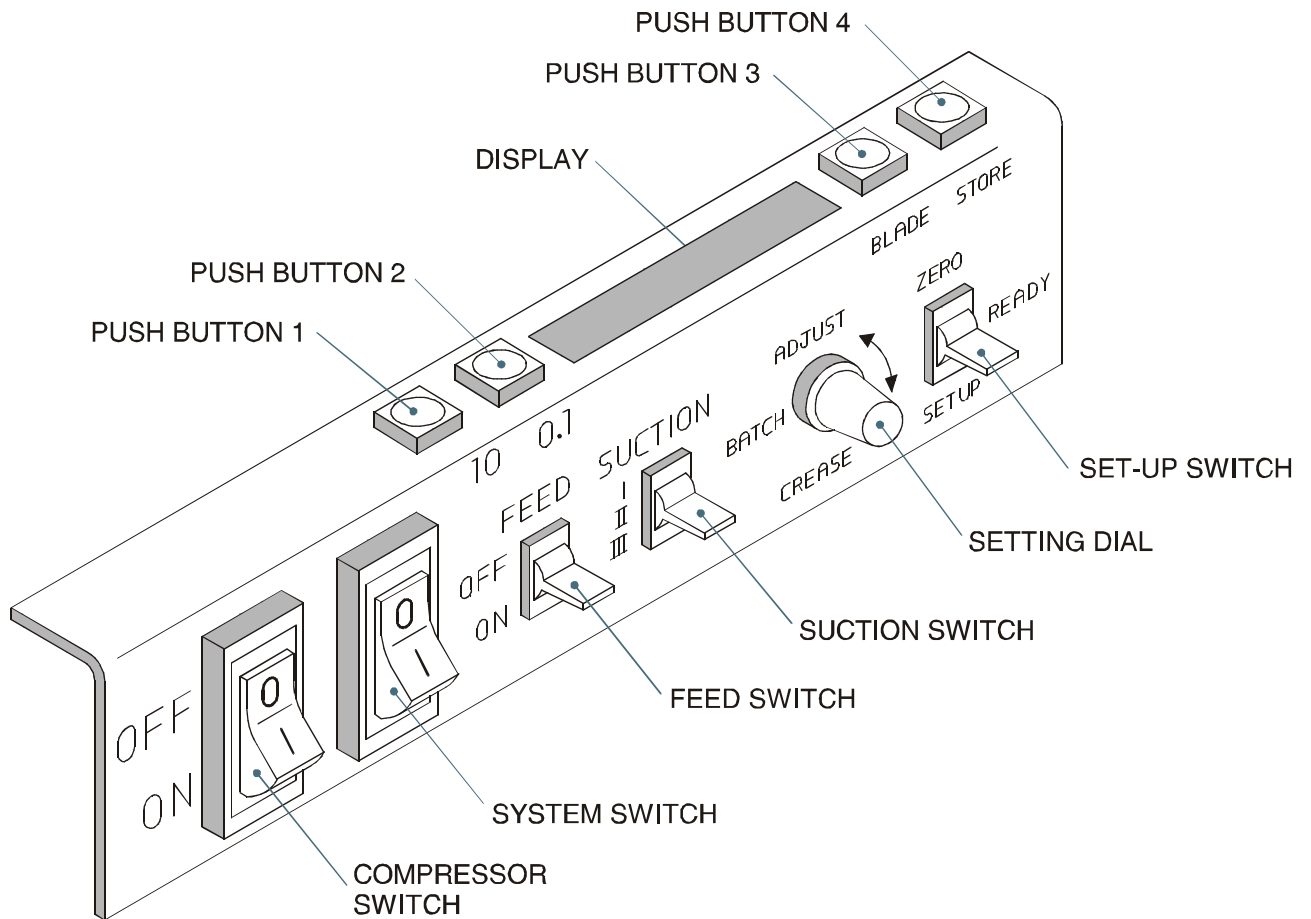
1	Roller tilt handle	6	Air distribution knob	11	Paper Gate
2	Stacker assembly	7	Adjustable side lay	12	Exit Guard
3	Suction slot knob	8	Back stop	13	Toolholder
4	The control panel	9	Fixed side lay	14	Extension table fixing screws
5	Air separation knob	10	Roller tilt knob		



The Control Panel on the AutoCreaser allows the operator to read, edit, create and initiate numerous creasing programs within the memory.

The top face of the control panel houses the display and four push buttons as shown in the diagram below. For the purposes of the instructions these buttons will be described as **Push Buttons 1, 2, 3, 4**.

The front face of the control panel houses the Compressor switch, System switch, Feed switch, Suction switch, Setting dial and Set-up switch. Under the control panel is an industry standard Emergency Stop switch which will stop all power going to the machine when activated.



Features on the Control Panel

Push Button 1

Used for adjusting a crease position to increments of 10mm when used with the setting dial.

Push Button 2

Used for adjusting a crease position to increments at 0.1mm when used with the setting dial.

Push Button 3

Used for locating the bottom blade or anvil to its 'Top Dead Centre' position in order to set the blade pressure (whilst the system switch is on).

Push Button 4

Allows the operator to save a created program. When also used with the setting dial the operator can scroll through the stored addresses.

Set-up switch

Allows the operator to enter and subsequently edit or read a stored program. Also resets the batch quantity.

Setting dial

Allows the operator to scroll through stored addresses and programs, increase or decrease the batch quantity and set a crease position.

Suction switch

Allows the operator to vary the length of suction on the sheet of paper being fed.

Position I – For very short sheets.

Position II – For short non-standard sheets.

Position III – For all standard size sheets, general purpose.

Feed switch

Allows the operator to start and stop feeding sheets.

System switch

When activated the system switch will operate the motors in order to begin the creasing sequence.

Compressor switch

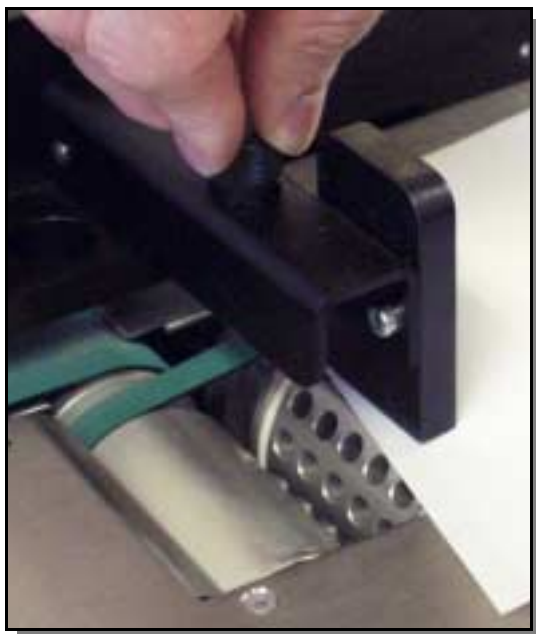
Allows the operator to switch off the compressor unit in order to utilise the machine to manually feed sheets.

Setting the machine to operate In automatic mode

1. Set the gap between the paper gate and the vacuum roller to approximately twice the thickness of the stock to be creased.
2. Place the stock to be creased onto the loading table against the fixed side lay.
3. Release the clamps on the adjustable side lay and slide up to the paper stack allowing a gap of approximately 0.5mm (1/64 inch) between the paper and the side lay.
4. Place the backstop on to the adjustable side lay and slide up to the paper stack, also allowing a gap (as stated in the above step) before clamping.
5. Turn the Emergency Stop button clockwise to switch the power on.
6. Flick the Set-Up switch to 'set-up'.
7. Hold down either Push Button 1 (10mm) or Push Button 2 (0.1mm) and turn the setting dial to program a crease position.
8. Release the buttons and turn the setting dial to program a new crease position.
9. Once all of the desired crease positions have been programmed, flick the Set-Up switch to 'ready'.
10. Press both the Compressor switch and the System switch to 'on'.
11. To begin feeding sheets, flick the Feed switch on.

In order to manually feed sheets see instructions on page 12.

Setting the Machine



Adjusting the Paper Gate

To adjust the height of the paper gate, turn the knob clockwise to lower or anti-clockwise to raise the mechanism. The clearance between the paper gate and the vacuum roller should be set to approximately twice the thickness of the stock to be creased.

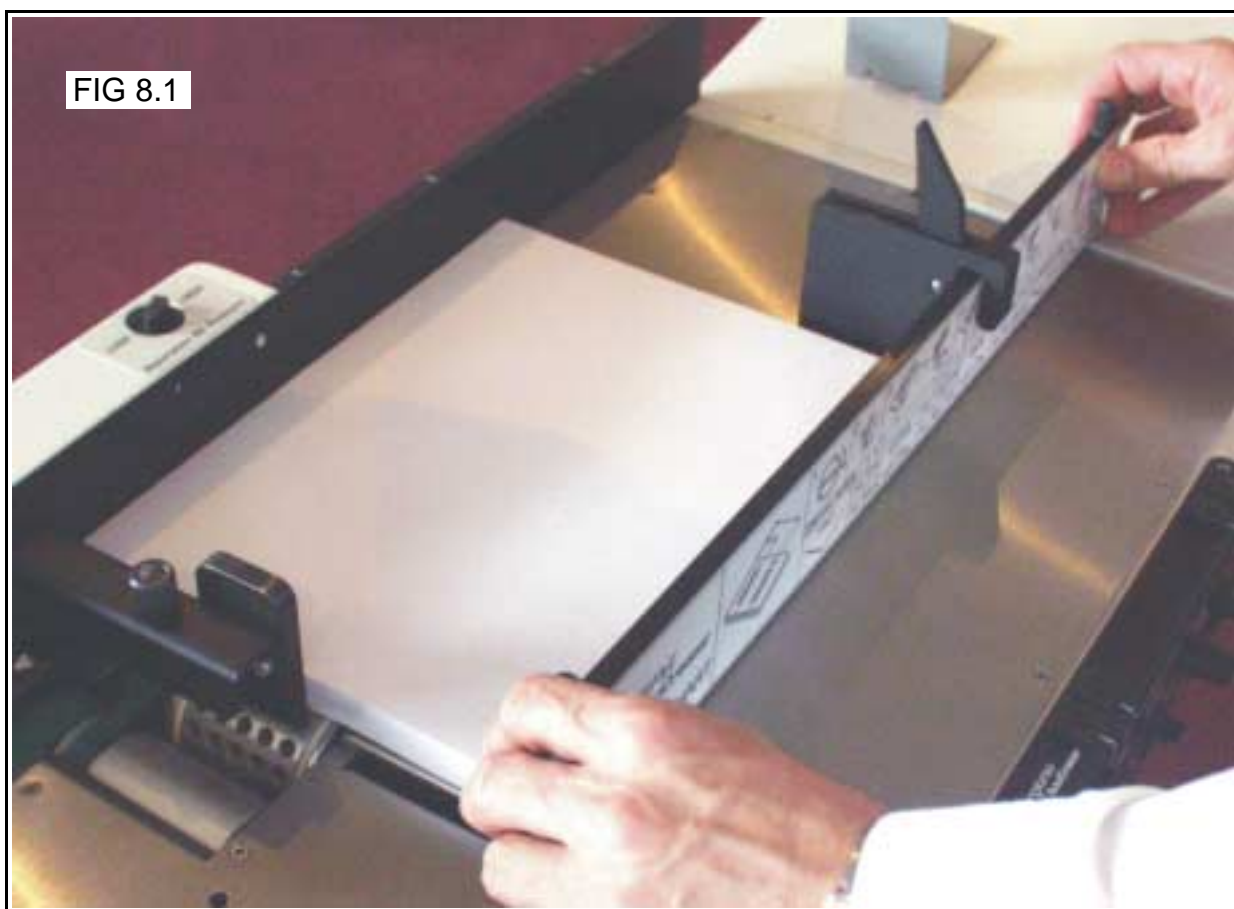
On this machine, the paper gate is fixed in an optimum position and can only be adjusted up and down as shown in the photograph (left).

Setting the suction slot

The suction slot is located inside the vacuum roller and can be adjusted by releasing and moving the suction knob horizontally in either direction to the required position.

For light stocks set the knob to the left and for heavier stocks set the knob to the right.

FIG 8.1



Setting the Adjustable Side Lay

Place the paper stack on to the loading table and slide up to the fixed side lay and paper gate. Release the clamps located at each end of the side lay and slide up towards the paper stack as demonstrated in fig 8.1. Allow a gap of approximately 0.5mm (1/64 inch) between the paper and the side lay.

Setting the Back-Stop

Place the back-stop on to the adjustable side lay and slide up towards the paper stack allowing a gap (as specified in the above step) before clamping. When the extension table is used for feeding longer sheets, remove clamp type back stop and use the magnetic type back stop as shown in fig. 10.2.

Setting the Air Distribution

Depending on the length of the sheet to be creased, the air distribution knob can be rotated to various positions in order to supply air to different ports. Position 1 is recommended for most sheet sizes. However, a better result may be obtained by using the below settings or by experimentation.

- Position**
- 1 – For A5 sheets or 8 inches long, port 1 open.
 - 2 – For A4 sheets or 11 inches long, front port and port 2 open.
 - 3 – For A3 sheets or 17 inches long, front port and port 3 open.
 - 0 – For longer sheets in order to supply air to the centre of the stack, port 2 open

Setting the Air Separation Pressure

To control the amount of air supplied to the ports, the air separation knob can be rotated clockwise to decrease the pressure or anti-clockwise to increase the pressure.

Setting the Roller Tilt Mechanism

The roller tilt mechanism has been designed to compensate for when the creasing position on the sheet is not square. This could be due to an inaccuracy in the media or if the roller tilt mechanism has been incorrectly set. The mechanism will be set to zero (square) when the machine is supplied.

To set the mechanism, unlock the roller tilt knob located below the roller tilting handle by turning anti-clockwise. Move the roller tilt handle left or right in order to compensate for any inaccuracy. When the position is set, ensure to lock the roller tilt knob before operating the machine. Repeat the above procedure until the creasing position is square.

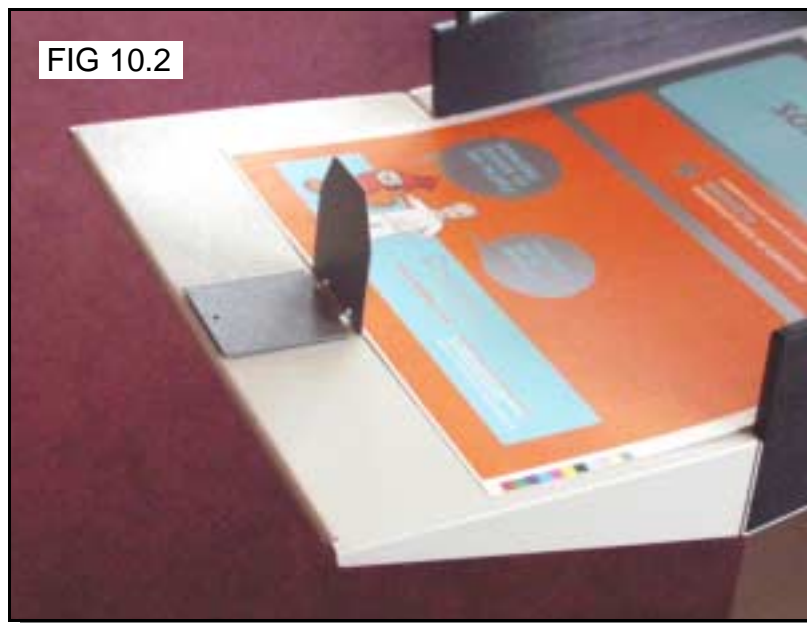
Setting the positions of drive wheels and hubs

It is important that the drive wheels and drive hubs on the roller shafts are arranged evenly across the width of the media being creased. This is done to ensure that the media is accurately driven and supported through the rollers.

The drive wheels and hubs are fixed to the rollers by means of a grub screw. To locate this grub screw the rollers can be rotated by operating the motor manually.

DO NOT ROTATE THE DRIVE ROLLERS BY HAND.

To operate the motors manually, switch the machine 'on' at the Emergency Stop switch. Whilst holding down Push Button 1, flick the Set-up switch to 'set up'. The display will now read '**hAndLE**'. Press the System switch to 'on' and use Push Button 1 (forward) and Push Button 2 (reverse) to manually rotate the rollers in short pulses. Rotate the rollers until the grub screw is located. Lift the exit guard and the machine will switch 'off' automatically. Loosen the drive wheels and hubs by using a 2mm allen key. Arrange the drive wheels and hubs as shown in fig 10.1. In order to avoid to marking on some types of media ensure a gap between the drive wheels and drive hubs. This procedure should be repeated when installing perforating blades and anvils onto the drive wheels and hubs.



Setting the extension table

The extension table can be fixed to the machine in order to feed through longer sheets. The table can be supported by the two fixing screws as shown on page 4. The back stop used on the stacker assembly can also be used to support the paper stack on the extension as shown in fig 10.2.

Programming the machine

1. Switch the power 'on' by turning the Emergency stop button clockwise to release the safety latch. The display is now switched on.
Display reads total count and number of creases set
2. Set the Batch quantity by turning the Setting Dial in either direction. The batch quantity will increase or decrease by 10 (each 'click') depending on the direction of rotation.

Setting the crease positions

3. Flick the Set-up switch to 'Set-up'.
Display reads '1 cr 0.0'
4. Hold down Button 1 and turn the Setting dial to increment the first crease position by 10mm per 'click'. To increment by 0.1mm hold down Button 2 and turn the Setting dial. Release the buttons to set the crease position.
Crease position will be displayed ie. '1 cr 98.7'
5. With the push buttons released, turn the Setting dial clockwise one 'click' to set the second crease.
Display reads '2 cr 0.0'
6. Repeat step 4. to allow for the second crease to be set. A maximum of 9 creases can be set into a program. To edit any of the creases entered into the program, turn the Setting dial in either direction to locate the crease. Once the crease is displayed repeat step 4.

Storing the crease positions

7. Once the crease positions are correctly entered, flick the Set-up switch to 'Ready'.
Display reads 'StOrE 1'
8. Turn the Setting dial in either direction to cycle through the 9 memory addresses available. To store the settings to the displayed address, press Button 4.
Display reads 'StOrEd'

Important

If storage for the above crease positions is not required, operate the Feed switch whilst the display reads 'StOrE 1' and the machine will run. If the settings were not stored when given the opportunity, flick the Set-up switch to 'Set-up' and then back to 'Ready' and repeat step 8. However, if the Emergency stop button is pressed before storing the settings, they will be lost.

Running the machine

9. To run the job with the selected settings, activate both the System switch and the Compressor switch. Flick the Feed switch to 'On' and the sheets will begin to feed. To stop feeding the media at anytime during the program, flick the Feed switch to 'off'. The machine will complete its creasing operation if a sheet has already been fed through the paper gate.

Setting the Measurement System (2.4 version programme onwards)

To set the measurement system for Imperial (Inch) or Metric (mm) the following procedure is necessary.

- Power set to On - Suction and Feed switches in there Up Position (Off)
- Press and Hold Down the Store Push Button (PB 4) and operate the Feed Switch Down (On) the display now shows either Inch or Metric.
- Release the Store Push Button and using the Selector Knob turn right for Imperial or Left for Metric. Leave the Display showing the required type of measurement system, operate the Feed Switch Up (Off)

Reading stored programs

Once step 1. in the sequence has been completed, hold down Button 4 and turn the Setting dial in either direction to cycle through the memory addresses. When any of the 9 addresses are displayed, flick the Set-up switch to 'Set-up'.

The first crease position in the program will be displayed ie. '1 cr 98.7'

To view or edit any of the creases within the program see step 6.

Clearing a stored program within the memory address

Whilst viewing any of the stored programs, turn the Setting dial one 'click' past the last available creasing position.

Display reads 'rESEt'

Press Button 4 to clear the stored settings.

Paper jamming

In the event of a paper jam occurring whilst the machine is operating the display will read '**crunch**'. In order to remove the paper causing the jam, Push Button 1 and Push Button 2 can be used to manually operate the motor.

Push Button 1 – will drive paper forward, in short pulses.

Push Button 2 – will drive paper in reverse, in short pulses.

When pressed, the push button will activate the rollers for a short movement. For continuous movement, press and release the push button repeatedly.

If the sheet remains jammed, check that the lower blade / anvil is not clamping the sheet. If so, press Push Button 3 to raise or lower the blade / anvil to release the jammed sheet.

Setting the machine to operate in manual mode

In order to feed heavy stock, very small or very large sheets, embossed or even irregular shaped sheets, it may be required to operate the machine manually.

The machine can be programmed and set up in exactly the same way as explained when operating the machine automatically. However, when setting up the machine the paper gate must be raised to its highest position for the sheets to be fed freely.

Operating the machine manually will also require the suction length to be continuous in order to accommodate various types of stock. Therefore, the suction length switch must be positioned at 'III'.

The machine can now be started by activating the System switch to 'on'. **Do not activate the Compressor switch.** Flick the Feed switch to 'on' and begin to slide the sheets individually through the paper gate until they are driven by the drive belts. To stop feeding the sheets, flick the Feed switch to 'off' and then the System switch to 'off'.

The stacker unit on the AutoCreaser is used to catch the sheets once they have been creased or perforated.

Setting the Stacker assembly

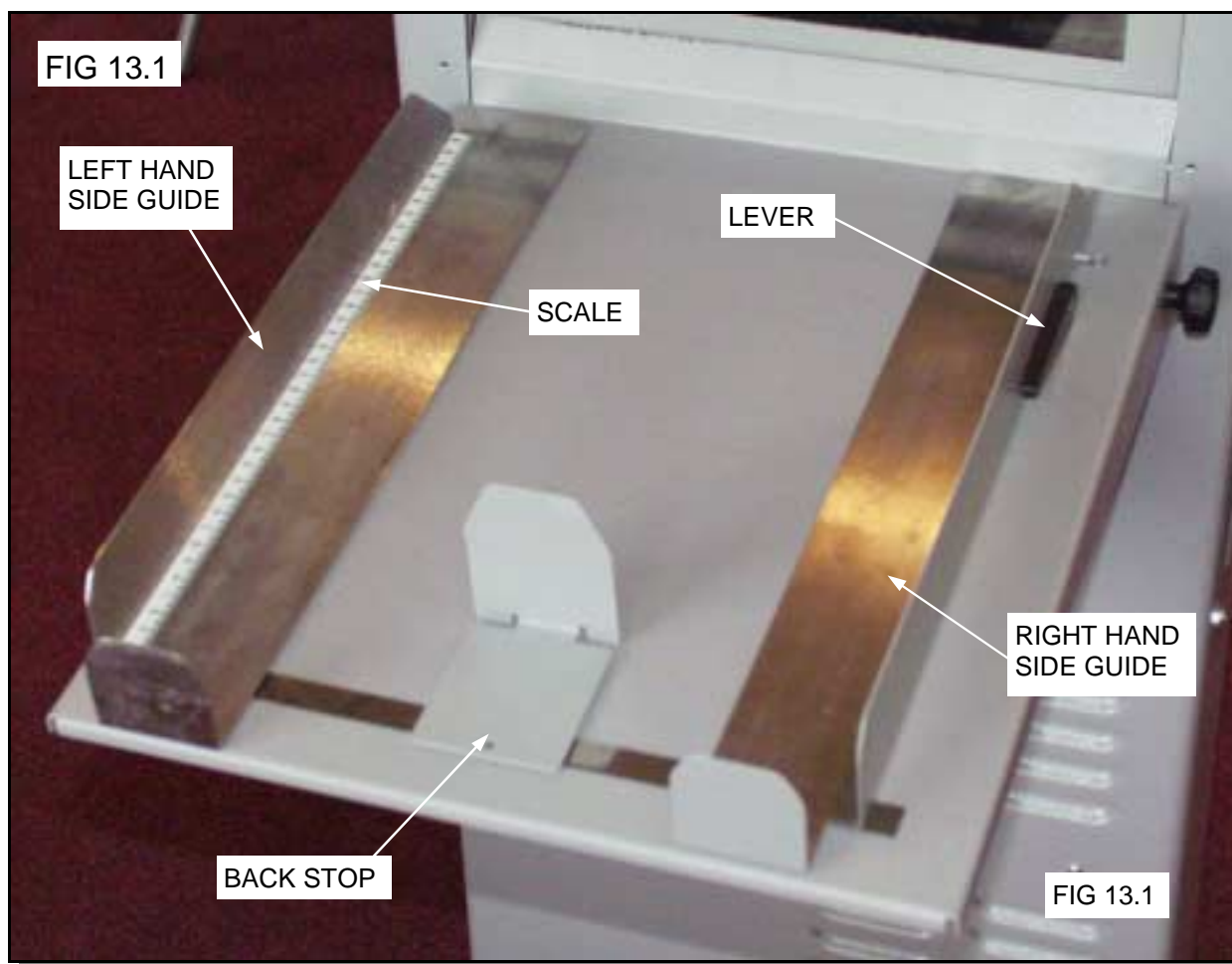
1. Assemble the stacker unit to the machine as shown in fig 13.1 below.

Important

Ensure that the stacker unit has been assembled to the machine properly. However, if it has not, the connection on the magnetic switch will be broken and the machine will not operate (see Trouble shooting pages for details).

There are two side guides on the stacker unit (a left handed and a right handed version). They will control the way in which the paper is collated by setting their positions on the stacker bed. They are secured to the bed by means of magnetic strips. To adjust the position of the side guides, it is recommended that the lever (as labelled in fig 13.1 below) is lifted upwards first in order to break the magnetic seal. This method makes adjustment easier and avoids any damage to the paint finish.

2. Secure the 'left hand' side guide against the pins located on the far left of the stacker bed.



3. Place a single sheet (from the stack to be creased / perforated) on to the stacker bed in order to adjust the 'right hand' side guide into position.
4. Secure the 'right hand' side guide on to the stacker bed leaving a minimum clearance of approximately 1mm each side of the sheet.
5. Whilst the sheet is between the two guides on the stacker bed, set the distance between the top of the sheet and the edge at which the stacker is attached to the machine to approximately 5mm.



6. For shorter sheets, the back stop can be used (as demonstrated in fig 10.1) to adjust the position of the paper stack.

TIPS

- One of the back stops supplied with the machine (on the stacker assembly) can also be used as a tool holder as demonstrated in the photograph (left).
- The back stop can also be used on the extension table in order to retain the position of longer sheets (see fig 10.2)

- The scale on the 'left hand' side guide can also be used to measure the desired creasing or perforating position on the sheet.



In order to save space in the working area, the stacker unit can be suspended on the machine (as shown left) when not in use.

Once the machine is set-up, the AutoCreaser can be used to perforate or crease.

Note

Perforating and creasing can be carried out simultaneously. However, if any adjustment is made to the roller tilt mechanism in order to compensate for the perforation line being 'out of square', this may effect the accuracy of the crease. If this occurs creasing and perforating must be carried out as separate operations.

The components and tools required to install the perforator are contained in the despatch kit supplied with the machine, they are listed below.

- 1 off Set of standard perforation '56 tooth' blades.
- 1 off Set of standard hardened anvils.
- 1 off Perforator stripper.
- 1 off Scoring wheel
- 1 off 3mm bondhus wrench / allen key
- 1 off 2mm bondhus wrench / allen key



The perforator blades are split into two matching halves and are fitted to the drive wheels as shown in the photograph using the four screws supplied.

A hardened anvil is fitted to the drive hub as shown in the photograph also using the four screws supplied. Again the anvils are made from matching halves.

Important: The perforator blades are very sharp and care must be taken whilst handling. Do not mix the matching pairs of blades or anvils.

Perforating 'Spares' kits

For perforating and other types of paper, various spares kits are available which can be assembled to the machine in the same fashion. They are listed below along with a range of scoring wheels,

Perforating blades	56 teeth	Part Number 1-99-41	–	Standard stock / fine perforations.
	28 teeth	Part Number 1-99-12	–	Medium stock / medium perforations.
	20 teeth	Part Number 1-99-10	–	Heavy stock / coarse perforations.
Anvils	Standard	Part Number 1-99-35	–	For all blade types

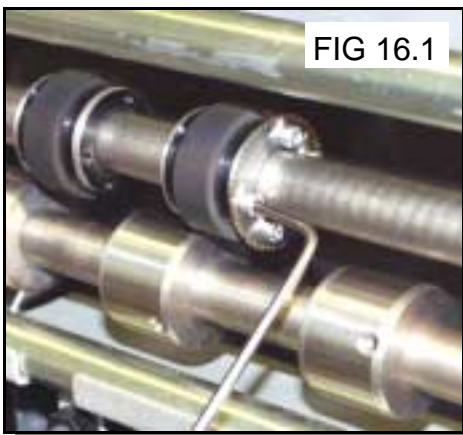
All of the blades and anvils are supplied with fixings.

***Perforator stripper** Standard Part Number **78-013**

*It is recommended that for multiple perforations, a separate perforator stripper is used for every perforating blade set fitted in the creasing unit.

Setting the machine

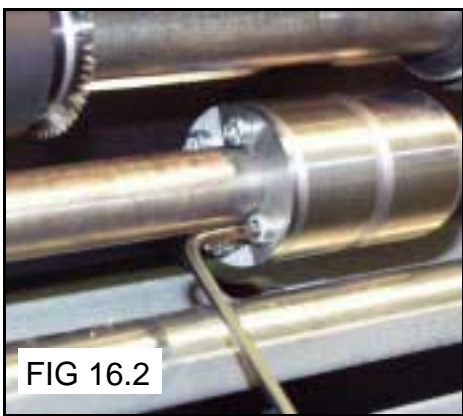
1. Turn the mains supply to the machine 'off'.
2. Remove the stacker unit and open the exit guard.
3. Locate and remove the blades / anvils from the despatch kit supplied with the machine.
4. Using the 2mm allen key (supplied), loosen the drive wheel that is to accommodate the blades.
5. Slide the drive wheel away from any obstructing drive wheels or hubs in order to mount the blades.



6. Using the 2.5mm allen key (supplied), take one of the matching pairs and mount on to the drive wheel. Do not secure the blade.

7. Mount the other matching pair to the drive wheel as shown (fig 16.1). Secure the blades to the wheel ensuring not to over tighten grub screw.

8. Mark on a single sheet the desired perforating position. Feed the sheet through the machine manually until the mark can be seen. Use this mark to assist in fixing the position of the perforating drive wheel to the roller drive shaft.



9. Using the 2mm allen key, loosen the drive hub nearest the perforating drive. Slide the drive hub away from any obstructing drive wheels or hubs in order to mount the anvils.

10. Using the 2,5mm allen key, take one of the matching pairs of anvils and mount to the drive hub. Do not secure the anvil.

11. Mount the other anvil ensuring that they have matched on the drive hub. Secure the anvil to the hub ensuring not to over tighten grub screw as shown in fig 16.2.
12. Slide the drive hub towards the perforating drive wheel until there is a clearance of 0.5mm.
13. To prevent damage to the blades or the anvils, do not force the drive wheel against the hub.
14. Fix the perforator stripper adjacent to the drive wheel to the as shown.
15. Operate the machine and test the perforations for form.

It is important that the drive hubs are arranged evenly across the width of the paper in order to reduce the risk of jamming.

For multiple perforations repeat the above procedure.

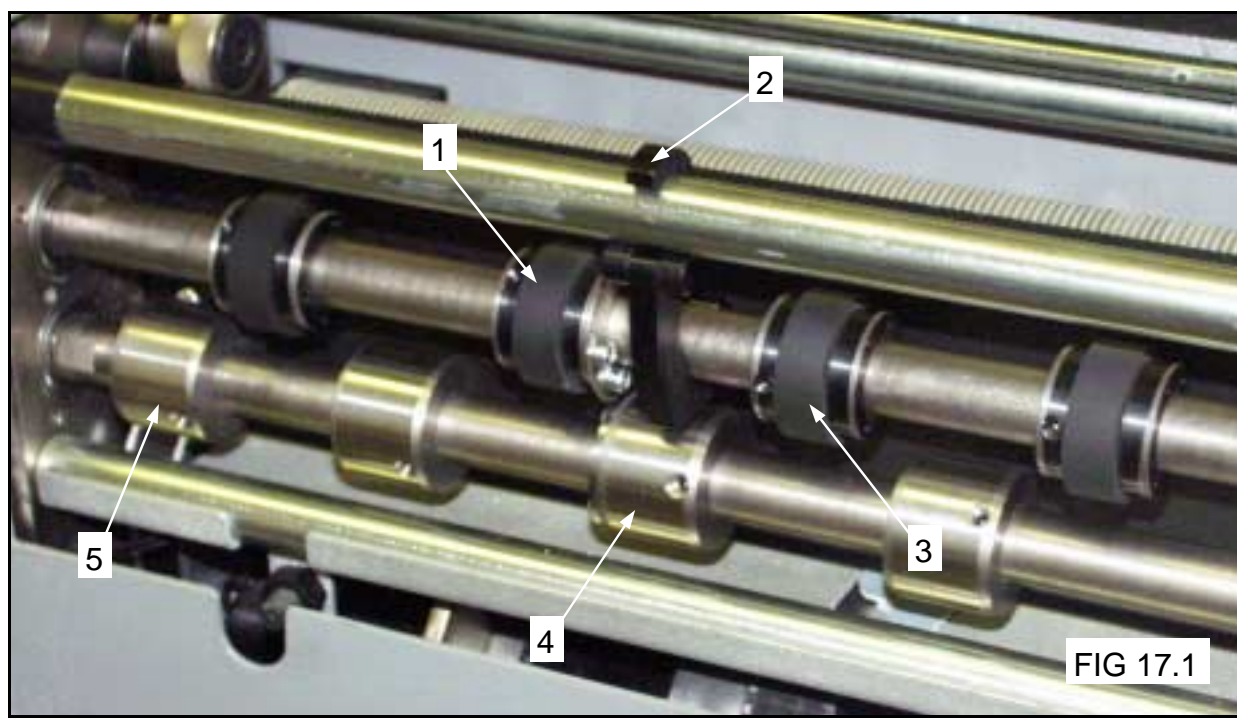


Fig 17.1 demonstrates a typical set-up for perforating sheets.

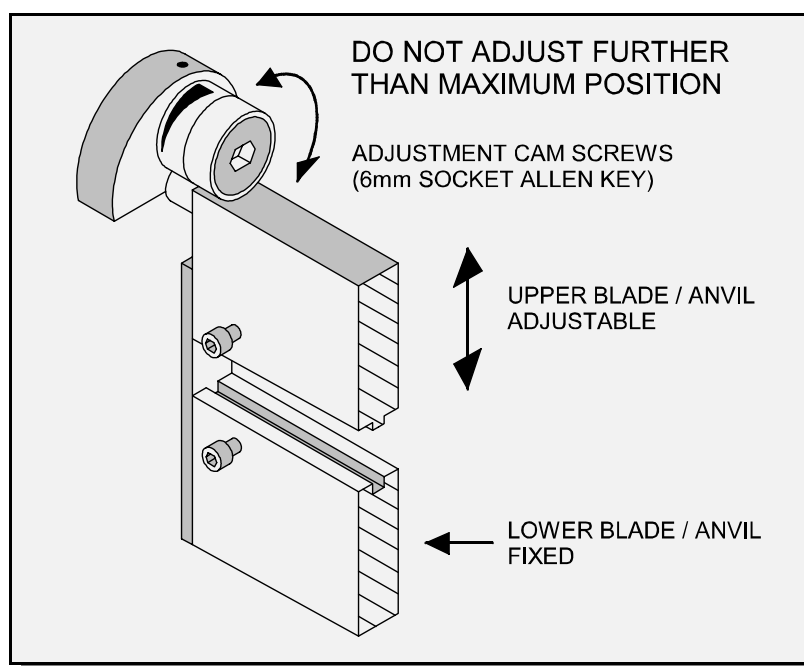
- | | |
|---|-----------------------------------|
| 1 – Perforating drive wheel with mounted blades | 4 – Drive hub with mounted anvils |
| 2 – Perforator stripper | 5 – Standard drive hub |
| 3 – Standard drive wheel | |

Always remove blades and anvils once the perforating operation has been completed to avoid marking on digital or delicate media.

Adjusting the blade pressure (no paper required)

1. Turn the Emergency Stop button clockwise to switch the machine 'on'.
2. Activate the system switch and the motors will begin to operate.
3. Flick the 'Feed' switch to 'on' and then back to 'off' to ensure that the lower blade / anvil is at its bottom position.
4. Press Push Button 3, the machine will automatically switch off and the lower blade / anvil is set its top position where the pressure can be adjusted. Raise the exit guard.
5. Using a 6mm allen key, unlock the shoulder bolts (labelled with scale transfer) positioned at each end of the creasing blade.
6. Turn the adjustment cam to adjust the blade pressure. Increasing the gradient on the scale will increase the blade pressure.
7. Ensure that the shoulder bolts are locked after setting.

The below diagram demonstrates the adjustment of blade pressure



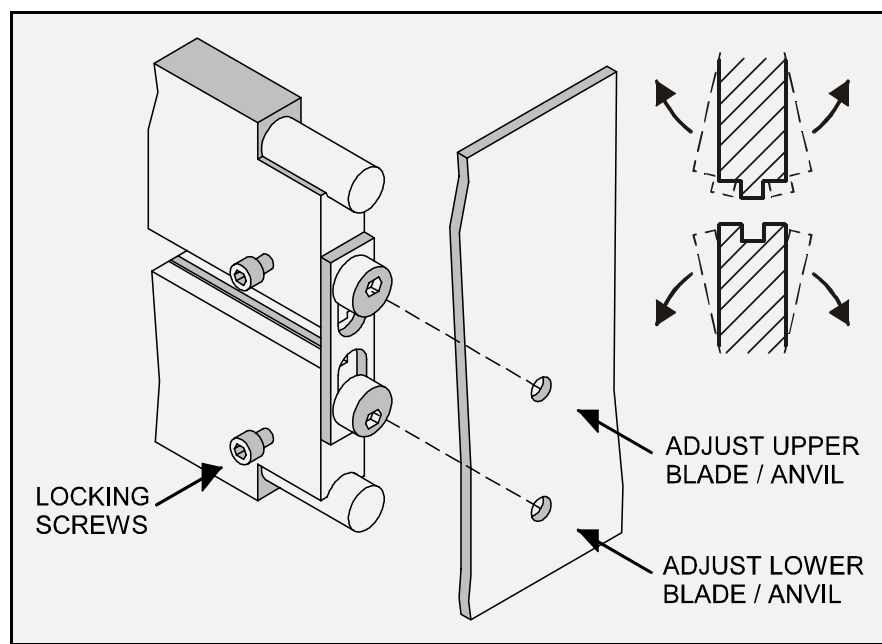
Adjusting the blade alignment

It is extremely important that the blade and anvil assembly within the creasing unit is correctly aligned. Misalignment of the blade or anvil can lead to damaged profiles and subsequently poor quality creasing so it must, therefore, be corrected immediately.

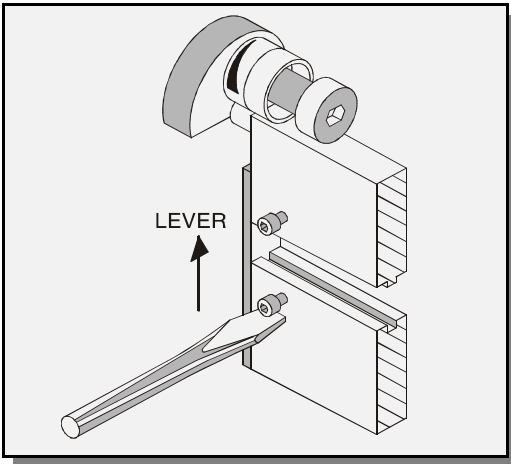
If the blade set is misaligned, the media being driven will be subject to scoring or even tearing at any point along the crease line. **Please note that to avoid damage to the blade set, adjustment should only be made in small increments.** The below sketch demonstrates how the blade alignment can be carried out.

Adjustment can be made at either of the blade or anvil. The two clearance holes positioned above the roller tilt mechanism are the front alignment (one for blade, one for anvil). The two holes are repeated on the back of the machine for the back alignment.

1. Remove the stacker unit from the AutoCreaser
2. Unlock and centralise the roller tilt mechanism in order to locate the heads of the front alignment screws.
3. Using a 3mm allen key, loosen the cap head type locking screws located on the front face at both ends of the blade /anvil as shown below.
4. Using a 4mm allen key, locate the two front or back alignment screws in the side frame in order to adjust the blade / anvil.
5. The upper screw of the two, will adjust the upper blade / anvil whereas the lower screw will adjust the lower blade / anvil both in very small increments.
6. In order to obtain the required position, adjust either the blade or the anvil by a small amount and then operate the machine to test the form of the crease. Repeat the exercise until centralisation is located.
7. Using a 3mm allen key, lock the cap head type screws (as per step 3) on both the upper and lower blade / anvil.



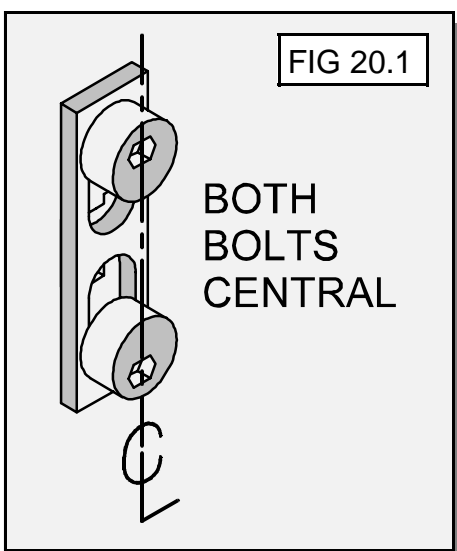
1. Before removing the blade assembly, ensure that the lower blade / anvil is NOT at 'top dead centre', ie. Push Button 3 has not been pressed. Switch the machine off.
2. Remove the stacker unit and lift the exit guard.



3. Using a 6mm allen key, loosen the socket head screws located inside the adjustment cam assembly. Slide the screws away from there fixing position but do not remove.
4. Using a flat blade screw driver, lift the lower blade upwards by gently lever against the cap head screws (mounted on the front face of the lower blade) in order to disconnect the blade assembly from the power links. The diagram (left) demonstrates the levering action.



5. Slide the blade assembly including the adjustment cams out of the creasing unit and lay on a flat surface.
6. Slide the adjustment cams away from the dowels located in the ends of the blades / anvils as shown in the photograph (left)
7. Place the new blade set into position. Check that the eccentric shoulder bolts on the link plates have been positioned as shown in fig 20.1.



8. (Upper blade / anvil only)
Slide the adjustment cam assemblies on to the dowels.
9. Slide the new blade set into the slots of the creasing unit as shown in fig. 21.1.
Push down until the blade set connects back into the power links.
10. Set the cam graphics for both ends of the blade / anvil to their lowest point on the scale (ie. When the mark on the scale reaches the mark on cam holder) Fasten the socket head screws on the adjustment cams until they are tight.



11. Push the exit guard down and replace the stacker assembly before operating the machine.
12. Switch the machine on and test the crease for form.

If the pressure and the alignment of the crease is not to a satisfactory level, see pages 18 –19 to adjust the creasing line.

‘Spares’ kits

In the event of any damaged or lost components within the blade assembly, spares kits are available on request. However, components within the blade set can not be ordered separately ie single blade or anvil.

For lighter stock, a ‘narrow’ blade set is also available.

Standard (Wide) Blade set

Part number 76-213-01

Consisting of a standard blade and anvil, blade brushes, blade links and alignment bolts.

Narrow Blade set

Part number 76-213-02

Consisting of a special narrow anvil, a standard blade, blade brushes, blade links and alignment bolts.

Warning: Damage may occur to the operating mechanism and will invalidate the manufacturers warranty if the narrow blade set is used with material in excess of 150gsm.

Paper crease out of square

- Check that the sheets are all square and exactly the same size before loading the stack on to the table.
- Check that the roller tilt mechanism is correctly set and locked in position.
- Check that the adjustable side lay has been correctly positioned ie. No further than 0.5mm from the paper stack.

Paper jamming

- Check that the leading edge of the paper is not being damaged by the paper gate. If this is occurring, check that the suction slot and the paper gate have been correctly set.
- Check that the first crease position is not too close to the leading edge of the paper. A minimum distance of 32mm is recommended.

Machine will not start

- Check the power supply to the machine.
- Check that the emergency stop button has been released.
- Check that the exit guard is down.
- Check that the stacker unit is located correctly and has not been disconnected from the magnetic switch.
- Check that the lower blade / anvil is connecting to the home switch (mounted below the lower blade / anvil).

Paper not feeding

- Check that the paper stack is not too high or too heavy for the feeder. The height of the paper stack should be defined by the weight and the size of the stock being creased.
- Ensure that the adjustable side lay is not pressed against the paper stack. However, if the clearance between the adjustable side lay and the paper stack is too great, the air supply will escape instead of blowing through the paper thus making it difficult to feed.
- Check that the clearance between the paper gate and the suction roller is not set too low.
- On digital media, the feeding performance may be improved if the leading edge of the stack is trimmed before loading onto the Autocreaser.

- Check that the air distribution has been correctly set.
- Check that the air separation has been set high enough to feed the sheets.
- For heavy stocks, very small or very large sheets, embossed or even irregular stock, it may be required to feed the sheets manually - see page 12 for instructions.



Machine not counting

- Open the exit and remove the blade set (see pages 22-23) to access the dual sensor post located in between the drive rollers. Using a soft brush, clean the visible sensor on the end of the post. Use the brush to clean the sensors between the post and the bottom paper guide which are not visible. Photograph (left) shows the dual sensor post containing the sensors.

No suction

- If the suction drum is not rotating, check all of the drive belts for cleanliness and splits (including the bottom in-feed roller drive belt).

Control panel reads

- **'O-LAP'**

If the machine is 'cutting out' and the control panel reads 'O-LAP', check that the machine is not feeding multiple sheets. If so, check that the paper gate has been correctly set.

- **'h'**

If at any time during the creasing process the control panel displays the letter 'h', it is indicating that the lower blade / anvil has not made contact with the HOME switch ie. Blade still in top position. Switch the machine off and remove the blade set and ensure that the area is free from obstructions. Return the blade set to the creasing unit and switch the machine on. Operate the machine in the normal sequence, if the letter 'h' continues to appear it is advised to contact a Service Engineer immediately.

- **'P'**

If before operating the machine the letter 'P' is displayed on the control panel this indicates that there is an obstruction between the upper sensor assembly and the paper guide sensor (as shown in the above photograph). Switch the machine off and repeat the same procedure as explained above.

Recommended weekly operator maintenance

- Clean all sensors
- Clean in feed rollers and output drive hubs using the Morgana cleaning kit (Morgana cleaning kit part number – 90-018)
- Remove and clean the blade assembly
- With the blade assembly removed, clean the slots and surrounding area within the creasing unit.

Technician Maintenance

It is recommended that your Morgana Autocreater is fully serviced at least once every six months by a factory trained Service Engineer.

